Rough Draft

INTERMOUNTIAN POWER SERVICES CORPORATION

Scope of Burner Work
for
April, 1992 Unit 1 Outage

I. General

Contractor shall provide all equipment, labor, supervision, services, transportation, tools and miscellaneous consumable materials for complete installation of all work as described herein.

Installation and operation of boiler platforms will be provided by IPSC.

II. Scope of Work

The Contractor shall provide sufficient manpower, trained in B&W boiler/burner maintenance, to complete the following work in accordance with the attached schedule:

- Remove all elbows and diffusers from Unit 1 burners and place in secure area, for re-installation at the end of the outage. Care shall be taken to eliminate damage to the diffusers.

- Contractor shall clean all burner elbow flange surfaces itemized by IPSC engineering and prepare the elbow and diffuser for direct re-installation by IPSC. All elbow flange bolts and nuts shall be placed in buckets for re-use by IPSC.

- With technical assistance from IPSC and RJM Corporation, the contractor shall install one impellar-type vane assembly (stabilizer) on all 48 Unit 1 burners prior to the Unit 2 outage April 11, 1992. Stabilizers will be provided by IPSC. Installation of the stabilizers shall consist of the following:

    1. Installation of attachment stand-offs to the ID of the inner air sleeve of each burner. Attachment weld rod shall be specified at a later date.

    2. Field adjustment (trimming) of the stabilizer perforations to ensure proper operation of the lighters, scanners and observation ports.

- Contractor shall install outer air register shrouds on all Unit 1 burners per the attached drawings. The shrouds shall be mechanically fastened to the rear outer register plate

land in a position providing a 5.875 inch air flow gap.

Shrouds shall be provided by IPSC.

Installation of shrouds shall begin one week prior to the completion of burners and end the same day as the burners.

- Contractor shall changeout 18 burner line restrictors per the attached schedule. The Contractor shall provide all necessary rigging, scaffolding, and tools. Spools, flanges, and bolts shall be provided by IPSC.

  1. Contractor shall install three restrictor spools on A1, H3, and C4 by:
     - install necessary access scaffolding
     - brace and cut the burner line
     - align and weld flanges on the burner line ends
     - install restrictor spool

  2. Changeout 11 restrictor spools on B1, F4, F5, D2, D4, H4, C2, C3, G4, G5, and G6 by:
     - install necessary access scaffolding
     - brace the burner line
     - install new restrictor spool assuring the burner line flange bolt holes align with the spool holes

  4. The Contractor shall modify the restrictors on E3, E4, E5, and E6 by removing the sleeve and re-installing the spool in the burner line.

RESTRICTOR CHANGEOUT SCHEDULE

Front Wall:

B1 Change sleeve from Sch. 40 to Sch. 60
B2 No change
B3 No change
B4 No change
B5 No change
B6 No change

F1 No change
F2 No change
F3 No change
F4 Change sleeve from Sch. 60 to Sch. 40
F5 Change sleeve from Sch. 120 to Sch. 100
F6 No change

A1 Install new restrictor with Sch. 30 sleeve
A2 No change
A3 No change
A4 No change
A5 No change
A6 No change

E1 No change
E2 No change
E3 Remove Sch. 30 sleeve
E4 Remove Sch. 30 sleeve
E5 Remove Sch. 30 sleeve
E6 Remove Sch. 30 sleeve

Rear Wall:

G1 No change
G2 No change
G3 No change
G4 Change sleeve from Sch. 60 to Sch. 80
G5 Change sleeve from Sch. 60 to Sch. 40
G6 Change sleeve from Sch. 60 to Sch. 80

C1 No change
C2 Change sleeve from Sch. 40 to Sch. 60
C3 Change sleeve from Sch. 40 to Sch. 60
C4 Install new restrictor with Sch. 30 sleeve
C5 No change
C6 No change

H1 No change
H2 No change
H3 Install new restrictor with Sch. 30 sleeve

H4 Change sleeve from Sch. 60 to Sch. 80
H5 No change
H6 No change

D1 No change
D2 Change sleeve from Sch. 60 to Sch. 80
D3 No change
D4 Change sleeve from Sch. 60 to Sch. 40
D5 No change
D6 No change